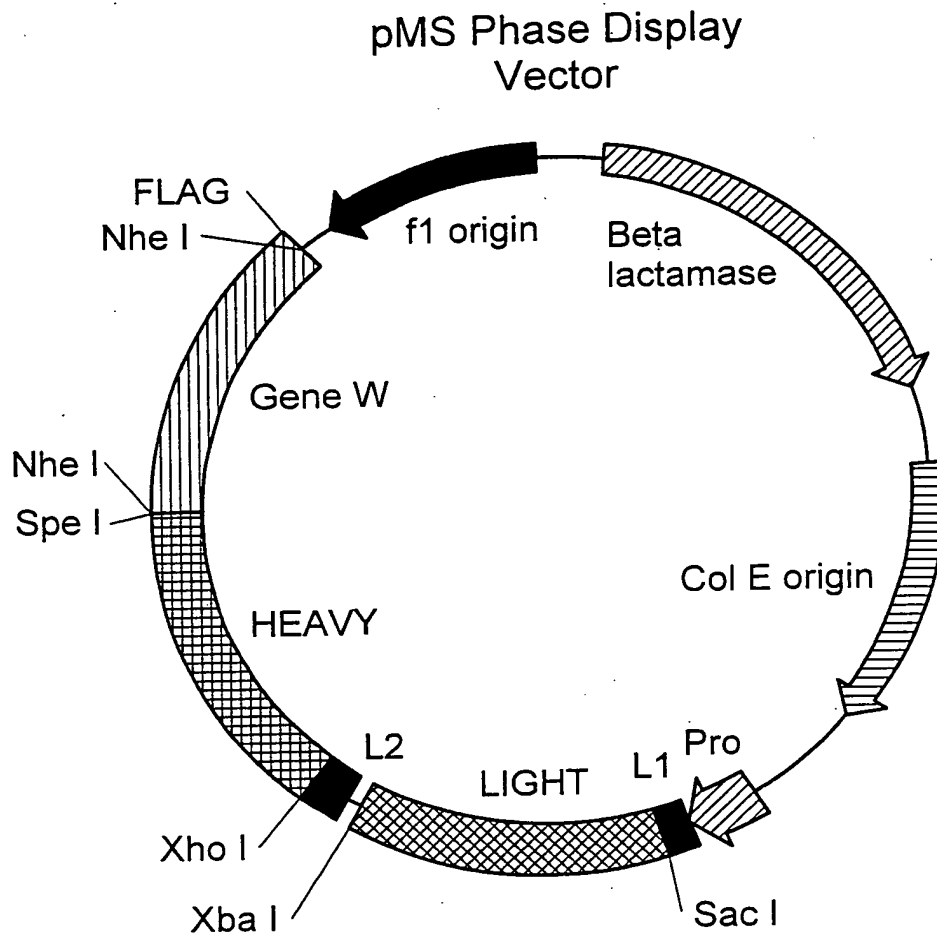


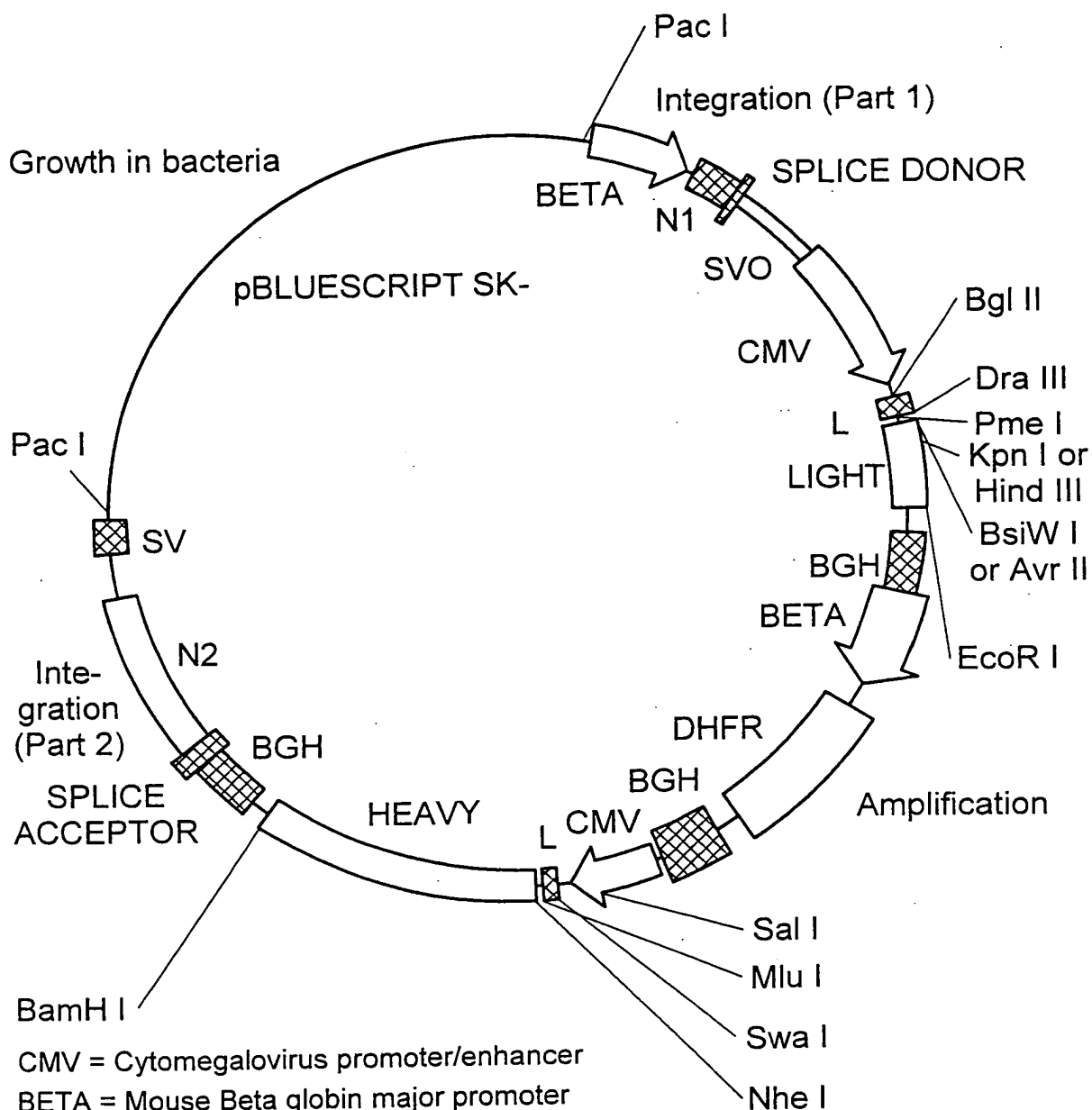
FIG. 1



2/25

FIG. 2

NEOSPLA



CMV = Cytomegalovirus promoter/enhancer

BETA = Mouse Beta globin major promoter

SVO = SV40 origin

BGH = Bovine growth hormone polyadenylation

SV = SV40 polyadenylation

N1 = Neomycin phosphotransferase exon 1

N2 = Neomycin phosphotransferase exon 2

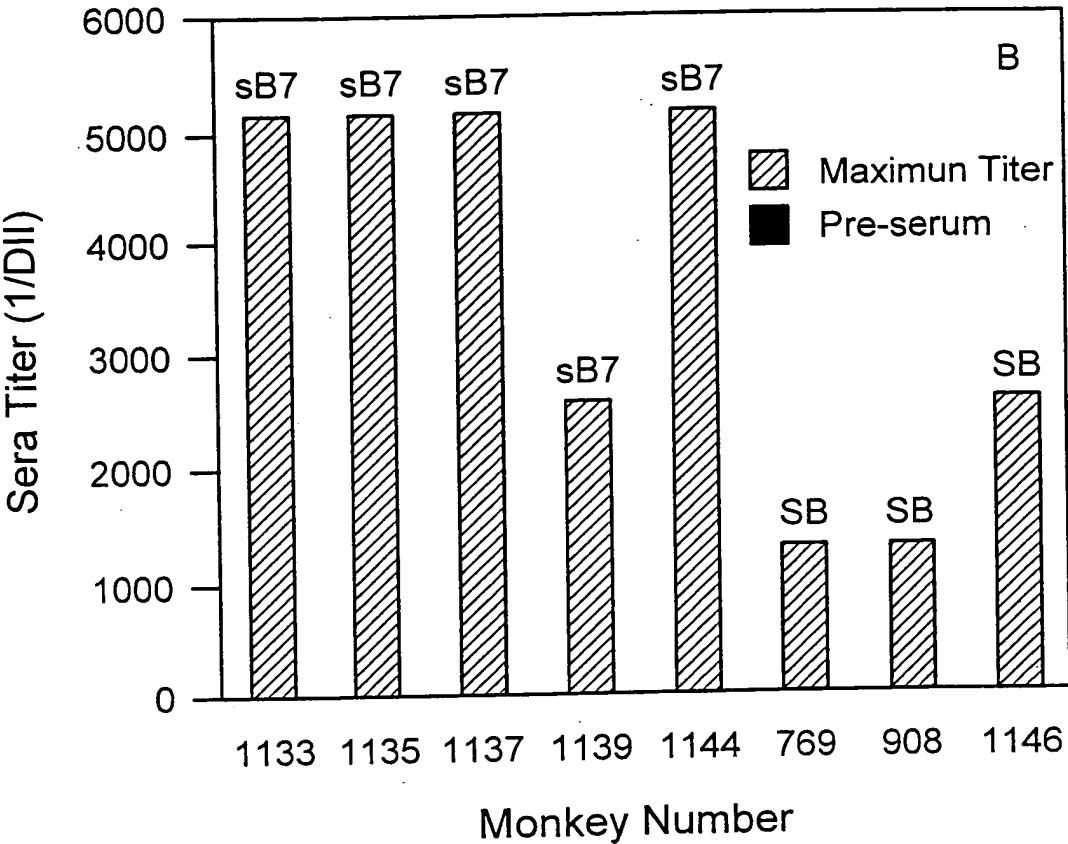
LIGHT = Human immunoglobulin kappa or lambda constant region

DHFR = Dihydrofolate Reductase

HEAVY = Human immunoglobulin gamma 1 or gamma 4 PE constant region

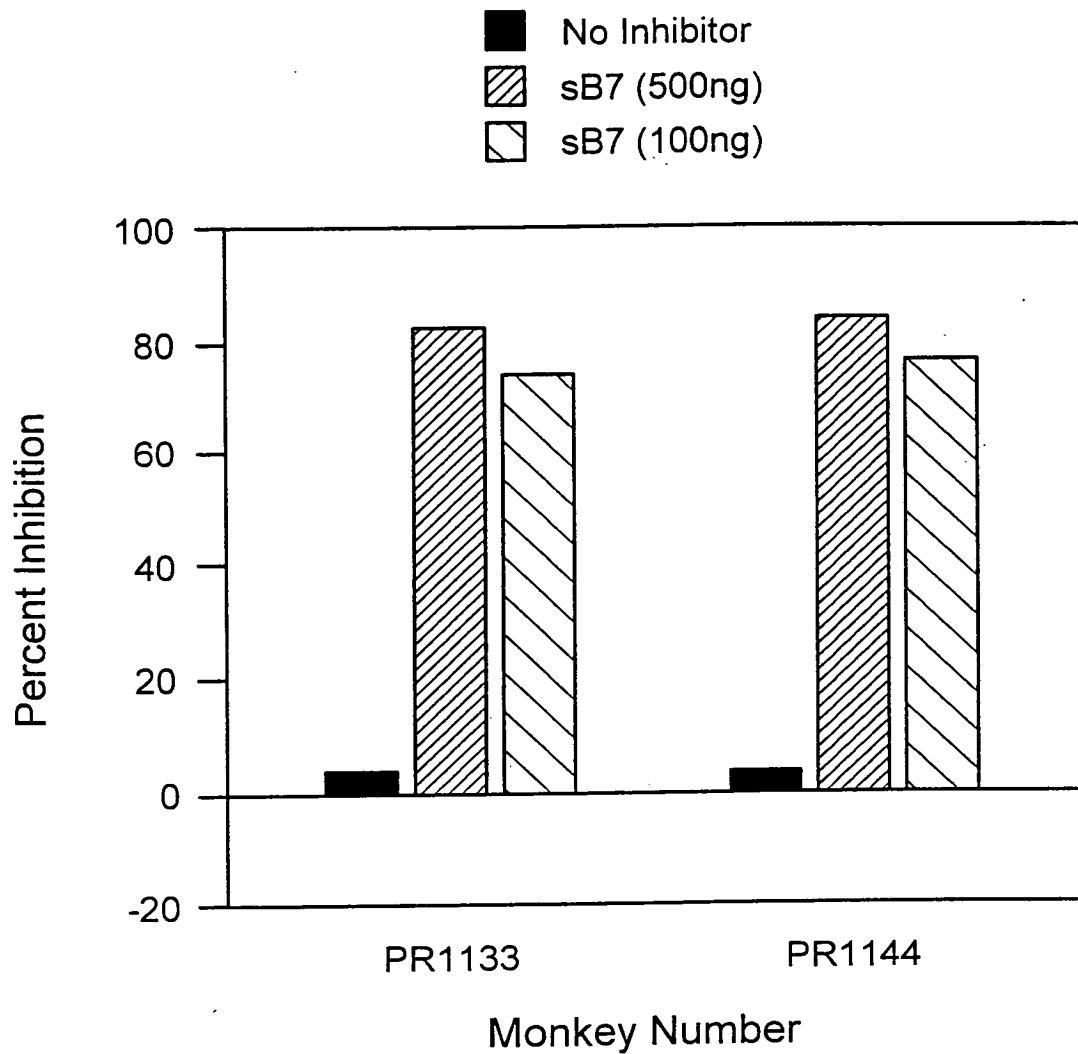
L = Leader

FIG. 3



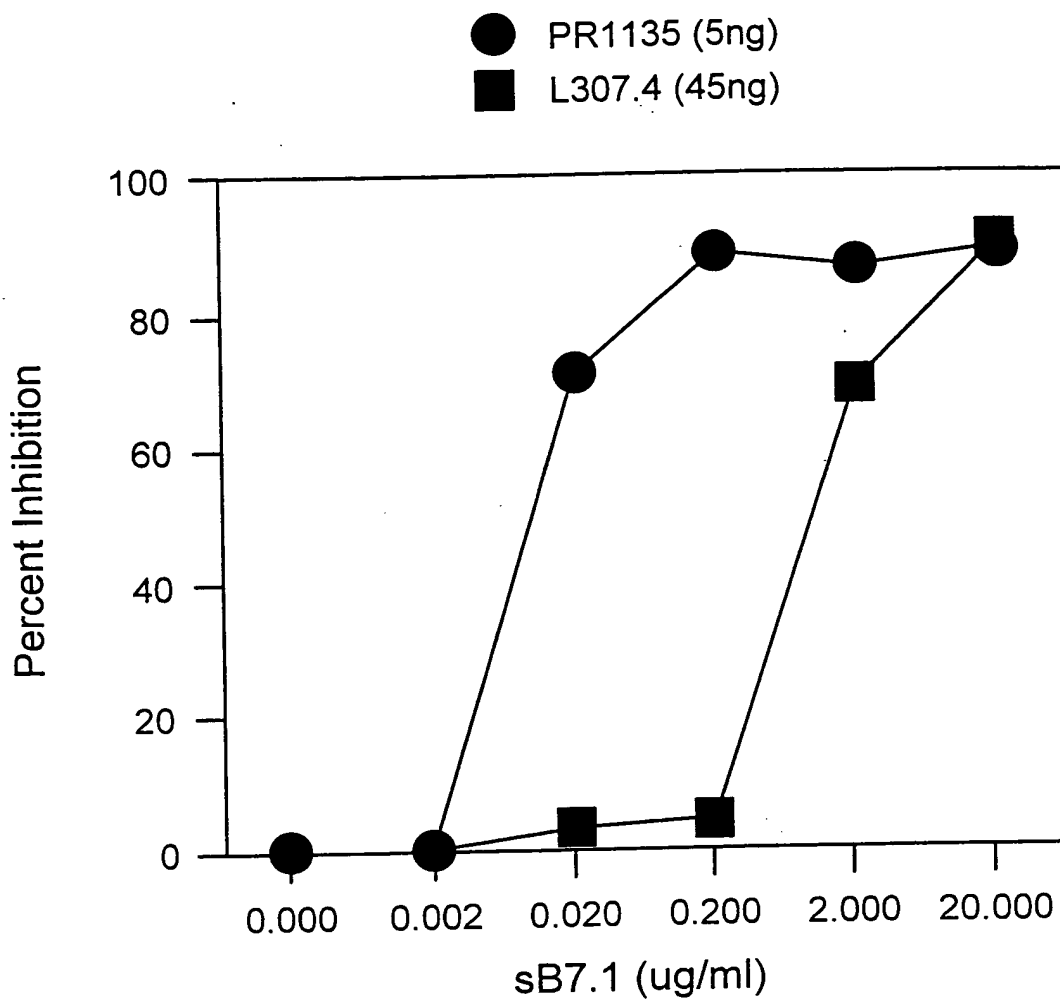
Monkey Serum Anti-B7.1 Titers Directed Against Cell Surface B7.1 on Transfected CHO Cells. Monkeys 1133-1139 were immunized with sB7.1. Monkeys 769-1146 were immunized with 50 million human B7 positive SB cells.

FIG. 4



Inhibition of Radiolabeled sB7.1 Binding by sB7.1 Affinity-purified Monkey Antibodies in Presence of Unlabeled sB7 and MAb L307.4 Murine Anti-B7.1.

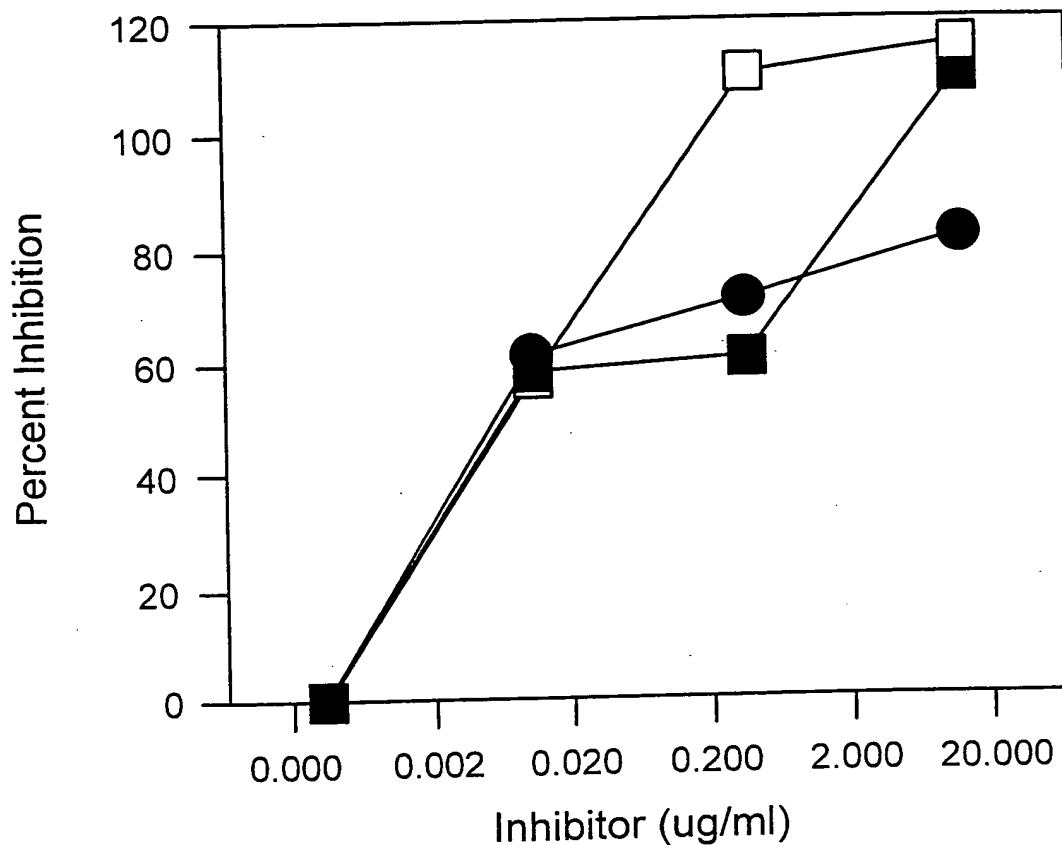
FIG. 5



Inhibition of Binding of Radiolabeled Monkey 1135
 and L307.4 Anti-B7.1 Antibodies to B7 Positive Human
 SB Cells by Competition With Affinity-Purified sB7.1.

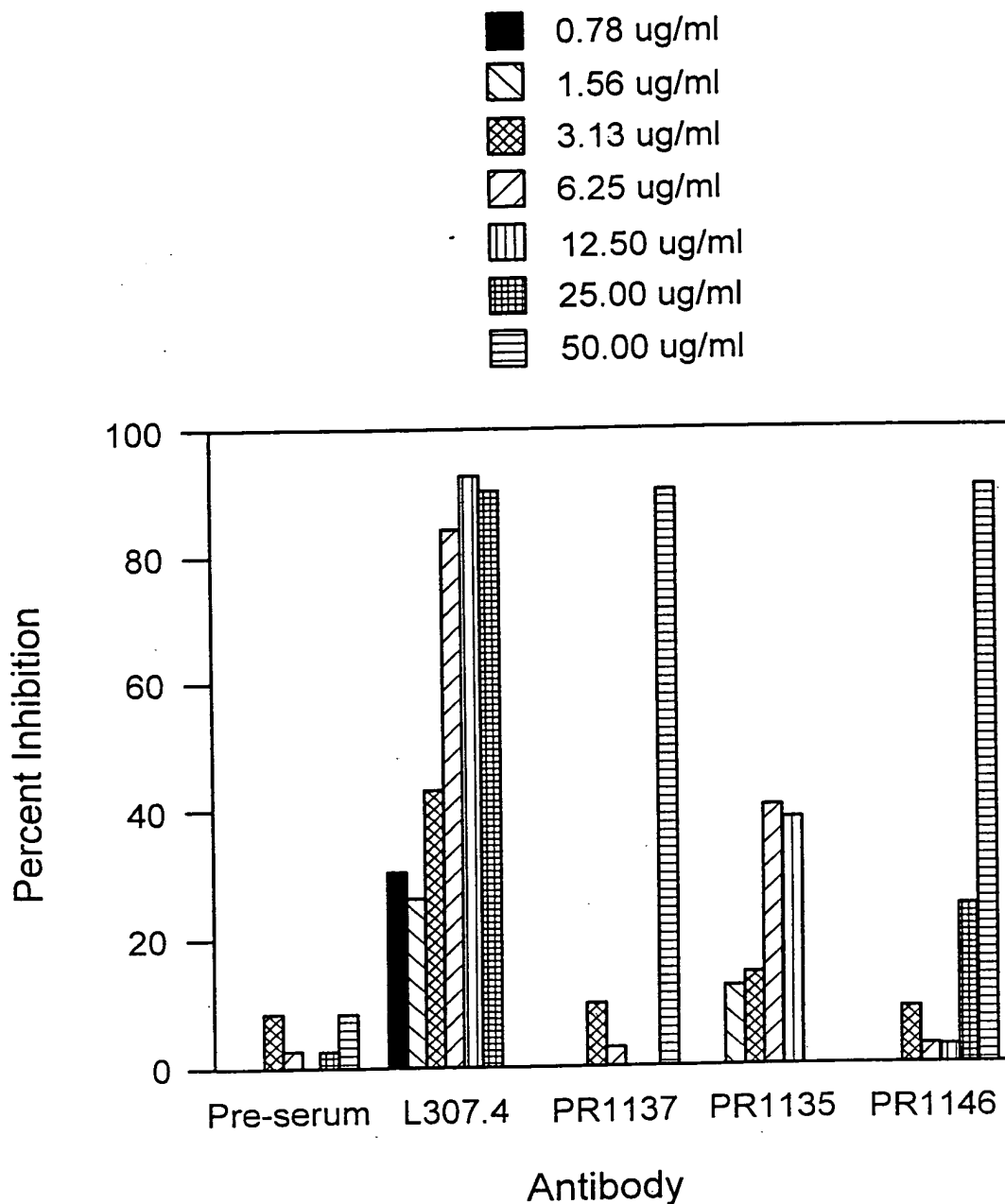
FIG. 6

● L307.4
 □ PR1137
 ■ sB7.1



Inhibition of Radiolabeled B7-Ig Binding to Activated Human Peripheral Blood T Cells by Competing With Unlabeled sB7.1 Murine Anti-B7.1 (L307.4) and Monkey 1127 Affinity-purified Serum Antibodies.

FIG. 7



Inhibition of IL-2 Production in Mixed Lymphocyte Cultures by Anti-B7.1 Affinity-purified Monkey Serum Antibodies. Assays at some concentrations for certain monkeys were not done, due to limiting amounts of purified antibody.

LENGTH OF 7C10 LIGHT/PRIMATIZED: 705 bp; LISTED FROM: 1 TO: 705;
 TRANSLATED FROM: 1 TO: 703 (ENTIRE REGION);
 GENETIC CODE USED: UNIVERSAL; FRI, MAY 26, 1995 11:11 AM

```

FRAME 1 M   R   V   P   A   Q   L   L   G   L   L   L   L
          ATG AGG GTC CCC GCT CAG CTC CTG GGG CTC CTG CTG CTC
                9                18                27                36

W   L   P   G   A   R   C   A   Y   E   L   T   Q   P   P
TGG CTC CCA GGT GCA CGA TGT GCC TAT GAA CTG ACT CAG CCA CCC
      45                54                63                72                81

S   V   S   V   S   P   G   Q   T   A   R   I   T   C   G
TCG GTG TCA GTG TCC CCA GGA CAG ACG GCC AGG ATC ACC TGT GGG
      90                99                108                117                126

G   D   N   S   R   N   E   Y   V   H   W   Y   Q   Q   K
GGA GAC AAC AGT AGA AAT GAA TAT GTC CAC TGG TAC CAG CAG AAG
      135                144                153                162                171

P   A   R   A   P   I   L   V   I   Y   D   D   S   D   R
CCA GCG CGG GCC CCT ATA CTG GTC ATC TAT GAT GAT AGT GAC CGG
      180                189                198                207                216

P   S   G   I   P   E   R   F   S   G   S   K   S   G   N
CCC TCA GGG ATC CCT GAG CGA TTC TCT GGCTCC AAA TCA GGGAAC
      225                234                243                252                261

T   A   T   L   T   I   N   G   V   E   A   G   D   E   A
ACC GCC ACC CTG ACC ATC AAC GGG GTC GAG GCC GGG GAT GAG GCT
      270                279                288                297                306

D   Y   Y   C   Q   V   W   D   R   A   S   D   H   P   V
GAC TAT TAC TGT CAG GTG TGG GAC AGG GCT AGT GAT CAT CCG GTC
      315                324                333                342                351

F   G   G   G   T   R   V   T   V   L   G   Q   P   K   A
TTC GGA GGA GGG ACC CGG GTG ACC GTC CTA GGT CAG CCC AAG GCT
      360                369                378                387                396

A   P   S   V   T   L   F   P   P   S   S   E   E   L   Q
GCC CCC TCG GTC ACT CTG TTC CCG CCC TCC TCT GAG GAG CTT CAA
      405                414                423                432                441

A   N   K   A   T   L   V   C   L   I   S   D   F   Y   P
GCC AAC AAG GCC ACA CTG GTG TGT CTC ATA AGT GAC TTC TAC CCG
      450                459                468                477                486
  
```

FIG. 8A - 1

APPROVED	O. G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

G A V T V A W K A D S S P V K
 GGAGCCGTGACA GTG GCC TGG AAG GCA GAT AGC AGC CCC GTC AAG
 495 504 513 522 531

A G V E T T T P S K Q S N N K
 GCGGGAGTG GAG ACC ACC ACA CCC TCC AAA CAA AGC AAC AAC AAG
 540 549 558 567 576

Y A A S S Y L S L T P E Q W K
 TAC GCGGCCAGC AGC TAC CTG AGC CTG ACG CCT GAG CAG TGG AAG
 585 594 603 612 621

S H R S Y S C Q V T H E G S T
 TCC CAC AGA AGC TAC AGC TGC CAG GTC ACG CAT GAA GGGAGC ACC
 630 639 648 657 666

V E K T V A P T E C S
 GTG GAG AAG ACA GTG GCC CCT ACA GAA TGT TCA TGA
 675 684 693 702

FIG. 8A - 2

APPROVED	CLASS	SUBCLASS
BY		
DRAFTSMAN		

LENGTH OF 7C10 HEAVY/PRIMATIZED: 1431 bp; LISTED FROM: 1 TO: 1431
 TRANSLATED FROM: 1 TO: 1429 (ENTIRE REGION);
 GENETIC CODE USED: UNIVERSAL; FRI, MAY 26, 1995 11:11 AM

FRAME 1 M K H L W F F L L L V A A
 ATG AAA CAC CTG TGG TTC TTC CTC CTC CTG GTG GCA GCT
 9 18 27 36

P R W V L S Q V K L Q Q W G E
 CCC AGA TGG GTC CTG TCC CAG GTG AAG CTG CAG CAG TGG GGC GAA
 45 54 63 72 81

G L L Q P S E T L S R T C V V
 GGA CTT CTG CAG CCT TCG GAG ACC CTG TCC CGC ACC TGC GTT GTC
 90 99 108 117 126

S G G S I S G Y Y Y W T W I R
 TCT GGT GGCTCC ATC AGC GGT TAC TAC TAC TGG ACC TGG ATC CGC
 135 144 153 162 171

Q T P G R G L E W I G H I Y G
 CAG ACC CCA GGG AGG GGA CTG GAG TGG ATT GGCCAT ATT TAT GGT
 180 189 198 207 216

N G A T T N Y N P S L K S R V
 AAT GGT GCG ACC ACC AAC TAC AAT CCC TCC CTC AAG AGT CGA GTC
 225 234 243 252 261

T I S K D T S K N Q F F L N L
 ACC ATT TCA AAA GAC ACG TCC AAG AAC CAG TTC TTC CTG AAC TTG
 270 279 288 297 306

N S V T D A D T A V Y Y C A R
 AAT TCT GTG ACC GAC GCG GAC ACG GCC GTC TAT TAC TGT GCG AGA
 315 324 333 342 351

G P R P D C T T I C Y G G W V
 GGCCCT CGC CCT GAT TGC ACA ACC ATT TGT TAT GGCGGCTGG GTC
 360 369 378 387 396

D V W G P G D L V T V S S A S
 GAT GTC TGG GGCCCG GGA GAC CTG GTC ACC GTC TCC TCA GCT AGC
 405 414 423 432 441

T K G P S V F P L A P S S K S
 ACC AAG GGCCCA TCG GTC TTC CCC CTG GCA CCC TCC TCC AAG AGC
 450 459 468 477 486

FIG. 8B - 1

APPROVED	O. G. F.
BY	CLASS
DRAFTSMAN	SUBCLASS

T S G G T A A L G C L V K D Y
 ACC TCT GGGGGCACA GCGGCC CTG GGCTGC CTG GTC AAG GACTAC
 495 504 513 522 531

F P E P V T V S W N S G A L T
 TTC CCC GAA CCGGTGACG GTG TCG TGG AAC TCA GGCGCC CTG ACC
 540 549 558 567 576

S G V H T F P A V L Q S S G L
 AGC GGCGTG CAC ACC TTC CCGGCT GTC CTA CAG TCC TCA GGACTC
 585 594 603 612 621

Y S L S S V V T V P S S S L G
 TAC TCC CTC AGC AGC GTG GTG ACC GTG CCC TCC AGC AGC TTG GGC
 630 639 648 657 666

T Q T Y I C N V N H K P S N T
 ACC CAG ACC TAC ATC TGC AAC GTG AAT CAC AAG CCC AGC AAC ACC
 675 684 693 702 711

K V D K K A E P K S C D K T H
 AAG GTG GAC AAG AAA GCA GAG CCC AAA TCT TGT GAC AAA ACT CAC
 720 729 738 747 756

T C P P C P A P E L L G G P S
 ACA TGC CCA CCGTGC CCA GCA CCT GAA CTC CTG GGGGGA CCG TCA
 765 774 783 792 801

V F L F P P K P K D T L M I S
 GTC TTC CTC TTC CCC CCA AAA CCC AAG GAC ACC CTC ATG ATC TCC
 810 819 828 837 846

R T P E V T C V V V D V S H E
 CGGACC CCT GAG GTC ACA TGC GTG GTG GTG GAC GTG AGC CAC GAA
 855 864 873 882 891

D P E V K F N W Y V D G V E V
 GAC CCT GAG GTC AAG TTC AAC TGG TAC GTG GAC GGCGTG GAG GTG
 900 909 918 927 936

H N A K T K P R E E Q Y N S T
 CAT AAT GCCAAG ACA AAG CCG CGGGAG GAG CAG TAC AAC AGC ACG
 945 954 963 972 981

Y R V V S V L T V L H Q D W L
 TAC CGT GTG GTC AGC GTC CTC ACC GTC CTG CAC CAG GAC TGG CTG
 990 999 1008 1017 1026

FIG. 8B - 2

APPROVED	C. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

N G K E Y K C K V S N K A L P
AAT GGCAAG GAGTAC AAG TGC AAG GTC TCC AAC AAA GCC CTC CCA
1035 1044 1053 1062 1071

A P I E K T I S K A K G Q P R
GCC CCC ATC GAG AAA ACC ATC TCC AAA GCC AAA GGG CAG CCC CGA
1080 1089 1098 1107 1116

E P Q V Y T L P P S R D E L T
GAA CCA CAG GTG TAC ACC CTG CCC CCA TCC CGG GAT GAG CTG ACC
1125 1134 1143 1152 1161

K N Q V S L T C L V K G F Y P
AAG AAC CAG GTC AGC CTG ACC TGC CTG GTC AAA GGCTTC TAT CCC
1170 1179 1188 1197 1206

S D I A V E W E S N G Q P E N
AGC GAC ATC GCC GTG GAG TGG GAG AGC AAT GGG CAG CCG GAG AAC
1215 1224 1233 1242 1251

N Y K T T P P V L D S D G S F
AAC TAC AAG ACC ACG CCT CCC GTG CTG GAC TCC GAC GGCTCC TTC
1260 1269 1278 1287 1296

F L Y S K L T V D K S R W Q Q
TTC CTC TAC AGC AAG CTC ACC GTG GAC AAG AGC AGG TGG CAG CAG
1305 1314 1323 1332 1341

G N V F S C S V M H E A L H N
GGGAAC GTC TTC TCA TGC TCC GTG ATG CAT GAG GCT CTG CAC AAC
1350 1359 1368 1377 1386

H Y T Q K S L S L S P G K
CAC TAC ACG CAG AAG AGC CTC TCC CTG TCT CCG GGT AAA TGA
1395 1404 1413 1422 1431

FIG. 8B - 3

APPROVED	O. G. F. G.
BY	CLASS SUBCLASS
DRAFTSMAN	

LENGTH OF 7B6 LIGHT/PRIMATIZED: 720 bp; LISTED FROM: 1 TO: 720;
 TRANSLATED FROM: 1 TO: 718 (ENTIRE REGION);
 GENETIC CODE USED: UNIVERSAL; FRI, MAY 26, 1995 11:10 AM

```

FRAME 1 M  S  L  P  A  Q  L  L  G  L  L  L  L
          ATG AGC CTC CCT GCT CAG CTC CTC GGGCTG CTA TTG CTC
                    9          18          27          36

C  V  P  G  S  S  G  E  V  V  M  T  Q  S  P
TGC GTC CCC GGGTCC AGT GGGGAA GTT GTGATG ACT CAG TCT CCA
      45          54          63          72          81

L  S  L  P  I  T  P  G  E  P  A  S  I  S  C
CTG TCC CTT CCC ATC ACA CCT GGAGAG CCG GCC TCC ATC TCC TGT
      90          99          108          117          126

R  S  S  Q  S  L  K  H  S  N  G  D  T  F  L
AGG TCT AGT CAA AGC CTT AAA CAC AGT AAT GGA GAC ACC TTC CTG
      135          144          153          162          171

S  W  Y  Q  Q  K  P  G  Q  P  P  R  L  L  I
AGT TGG TAT CAG CAG AAG CCA GGCCAA CCT CCA AGG CTC CTG ATT
      180          189          198          207          216

Y  K  V  S  N  R  D  S  G  V  P  D  R  F  S
TAT AAG GTT TCT AAC CGGGAC TCT GGGGTC CCA GAC AGA TTC AGC
      225          234          243          252          261

G  S  G  A  G  T  D  F  T  L  K  I  S  A  V
GGCAGT GGGGCA GGGACA GAT TTC ACA CTG AAA ATC AGC GCA GTG
      270          279          288          297          306

E  A  E  D  V  G  V  Y  F  C  G  Q  G  T  R
GAG GCT GAA GAT GTT GGGGTT TAT TTC TGC GGGCAA GGT ACA AGG
      315          324          333          342          351

T  P  P  T  F  G  G  G  T  K  V  E  I  K  R
ACT CCT CCC ACT TTC GGC GGA GGGACC AAG GTG GAA ATC AAA CGT
      360          369          378          387          396

T  V  A  A  P  S  V  F  I  F  P  P  S  D  E
ACG GTG GCT GCA CCA TCT GTC TTC ATC TTC CCG CCA TCT GAT GAG
      405          414          423          432          441

Q  L  K  S  G  T  A  S  V  V  C  L  L  N  N
CAG TTG AAA TCT GGA ACT GCC TCT GTT GTG TGC CTG CTG AAT AAC
      450          459          468          477          486
  
```

FIG. 9A - 1

APPROVED	O. G. FIG.
BY	CLASS. SUBCLASS
DRAFTSMAN	

F Y P R E A K V Q W K V D N A
TTC TAT CCC AGA GAG GCC AAA GTA CAG TGG AAG GTG GAT AAC GCC
495 504 513 522 531

L Q S G N S Q E S V T E Q D S
CTC CAA TCG GGT AAC TCC CAG GAG AGT GTC ACA GAG CAG GAC AGC
540 549 558 567 576

K D S T Y S L S S T L T L S K
AAG GAC AGC ACC TAC AGC CTC AGC AGC ACC CTG ACG CTG AGC AAA
585 594 603 612 621

A D Y E K H K V Y A C E V T H
GCA GAC TAC GAG AAA CAC AAA GTC TAC GCC TGC GAA GTC ACC CAT
630 639 648 657 666

Q G L S S P V T K S F N R G E
CAG GGC CTG AGC TCG CCC GTC ACA AAG AGC TTC AAC AGG GGA GAG
675 684 693 702 711

C
TGT TGA
720

FIG. 9A - 2

LENGTH OF 7B6 HEAVY/PRIMATIZED: 1437 bp; LISTED FROM: 1 TO: 1437
 TRANSLATED FROM: 1 TO: 1435 (ENTIRE REGION);
 GENETIC CODE USED: UNIVERSAL; FRI, MAY 26, 1995 11:09 AM

FRAME 1 M G W S L I L L F L V A V
 ATG GGT TGG AGC CTC ATC TTG CTC TTC CTT GTC GCT GTT
 9 18 27 36

A T R V Q C E V Q L V E S G G
 GCT ACG CGT GTC CAG TGT GAG GTG CAA CTG GTG GAG TCT GGGGGA
 45 54 63 72 81

G L V Q P G G S L R V S C A V
 GGCTTG GTC CAG CCT GGC GGGTCC CTG AGA GTC TCC TGT GCA GTC
 90 99 108 117 126

S G F T F S D H Y M Y W F R Q
 TCT GGATTC ACC TTC AGT GAC CAC TAC ATG TAT TGG TTC CGC CAG
 135 144 153 162 171

A P G K G P E W V G F I R N K
 GCT CCA GGGAAG GGGCCG GAA TGG GTA GGT TTC ATT AGA AAC AAA
 180 189 198 207 216

P N G G T T E Y A A S V K D R
 CCGAAC GGT GGGACA ACA GAA TAC GCC GCGTCT GTG AAA GAC AGA
 225 234 243 252 261

F T I S R D D S K S I A Y L Q
 TTC ACC ATC TCC AGA GAT GAT TCC AAA AGC ATC GCC TAT CTG CAA
 270 279 288 297 306

M S S L K I E D T A V Y Y C T
 ATG AGC AGC CTG AAA ATC GAG GAC ACG GCC GTC TAT TAC TGT ACT
 315 324 333 342 351

T S Y I S H C R G G V C Y G G
 ACA TCC TAC ATT TCA CAT TGT CGGGGT GGT GTC TGC TAT GGAGGT
 360 369 378 387 396

Y F E F W G Q G A L V T V S S
 TAC TTC GAA TTC TGG GGCCAG GGCGCC CTG GTC ACC GTC TCC TCA
 405 414 423 432 441

A S T K G P S V F P L A P S S
 GCT AGC ACC AAG GGCCCA TCG GTC TTC CCC CTG GCA CCC TCC TCC
 450 459 468 477 486

FIG. 9B - 1

K S T S G G T A A L G C L V K
AAG AGC ACC TCT GGGGGCACA GCGGCC CTG GGCTGC CTG GTC AAG
495 504 513 522 531

D Y F P E P V T V S W N S G A
GAC TAC TTC CCC GAA CCG GTG ACG GTG TCG TGGAAC TCA GGCGCC
540 549 558 567 576

L T S G V H T F P A V L Q S S
CTG ACC AGC GGC GTG CAC ACC TTC CCG GCT GTC CTA CAG TCC TCA
585 594 603 612 621

G L Y S L S S V V T V P S S S
GGACTC TAC TCC CTC AGC AGC GTG GTG ACC GTG CCC TCC AGC AGC
630 639 648 657 666

L G T Q T Y I C N V N H K P S
TTG GGCACC CAG ACC TAC ATC TGC AAC GTGAAT CAC AAG CCC AGC
675 684 693 702 711

N T K V D K K A E P K S C D K
AAC ACC AAG GTG GAC AAG AAA GCA GAG CCC AAA TCT TGT GAC AAA
720 729 738 747 756

T H T C P P C P A P E L L G G
ACT CAC ACA TGC CCA CCG TGC CCA GCA CCT GAA CTC CTG GGGGGA
765 774 783 792 801

P S V F L F P P K P K D T L M
CCG TCA GTC TTC CTC TTC CCC CCA AAA CCC AAG GAC ACC CTC ATG
810 819 828 837 846

I S R T P E V T C V V V D V S
ATC TCC CGGACC CCT GAG GTC ACA TGC GTG GTG GTG GAC GTG AGC
855 864 873 882 891

H E D P E V K F N W Y V D G V
CAC GAA GAC CCT GAG GTC AAG TTC AAC TGG TAC GTG GAC GGCGTG
900 909 918 927 936

E V H N A K T K P R E E Q Y N
GAG GTG CAT AAT GCC AAG ACA AAG CCG CGG GAG GAG CAG TAC AAC
945 954 963 972 981

S T Y R V V S V L T V L H Q D
AGC ACG TAC CGT GTG GTC AGC GTC CTC ACC GTC CTG CAC CAG GAC
990 999 1008 1017 1026

FIG. 9B - 2

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

W L N G K E Y K C K V S N K A
TGG CTG AAT GGCAAG GAG TAC AAG TGC AAG GTC TCC AAC AAA GCC
1035 1044 1053 1062 1071

L P A P I E K T I S K A K G Q
CTC CCA GCC CCC ATC GAG AAA ACC ATC TCC AAA GCC AAA GGGCAG
1080 1089 1098 1107 1116

P R E P Q V Y T L P P S R D E
CCC CGA GAA CCA CAG GTG TAC ACC CTG CCC CCA TCC CGGGAT GAG
1125 1134 1143 1152 1161

L T K N Q V S L T C L V K G F
CTG ACC AAG AAC CAG GTC AGC CTG ACC TGC CTG GTC AAA GGCTTC
1170 1179 1188 1197 1206

Y P S D I A V E W E S N G Q P
TAT CCC AGC GAC ATC GCC GTG GAG TGG GAG AGC AAT GGGCAG CCG
1215 1224 1233 1242 1251

E N N Y K T T P P V L D S D G
GAGAAC AAC TAC AAG ACC ACG CCT CCC GTG CTG GAC TCC GAC GGC
1260 1269 1278 1287 1296

S F F L Y S K L T V D K S R W
TCC TTC TTC CTC TAC AGC AAG CTC ACC GTG GAC AAG AGC AGG TGG
1305 1314 1323 1332 1341

Q Q G N V F S C S V M H E A L
CAG CAG GGGAAC GTC TTC TCA TGC TCC GTG ATG CAT GAG GCT CTG
1350 1359 1368 1377 1386

H N H Y T Q K S L S L S P G K
CAC AAC CAC TAC ACG CAG AAG AGC CTC TCC CTG TCT CCG GGT AAA
1395 1404 1413 1422 1431

TGA

FIG. 9B - 3

LENGTH OF 16C10 LAMBDA/PRIMATIZED: 711 bp; LISTED FROM: 1 TO: 711;
 TRANSLATED FROM: 1 TO: 709 (ENTIRE REGION);
 GENETIC CODE USED: UNIVERSAL; FRI, MAY 26, 1995 11:08 AM

FRAME 1 M R V P A Q L L G L L L L
 ATG AGG GTC CCC GCT CAG CTC CTG GGG CTC CTG CTG CTC
 9 18 27 36

W L P G A R C E S V L T Q P P
 TGG CTC CCA GGT GCA CGA TGT GAG TCT GTC CTG ACA CAG CCG CCC
 45 54 63 72 81

S V S G A P G Q K V T I S C T
 TCA GTG TCT GGG GCC CCA GGG CAG AAG GTC ACC ATC TCG TGC ACT
 90 99 108 117 126

G S T S N I G G Y D L H W Y Q
 GGG AGC ACC TCC AAC ATT GGAGGT TAT GAT CTA CAT TGG TAC CAG
 135 144 153 162 171

Q L P G T A P K L L I Y D I N
 CAG CTC CCA GGAACG GCC CCC AAA CTC CTC ATC TAT GAC ATT AAC
 180 189 198 207 216

K R P S G I S D R F S G S K S
 AAG CGA CCC TCA GGAATT TCT GAC CGA TTC TCT GGCTCC AAG TCT
 225 234 243 252 261

G T A A S L A I T G L Q T E D
 GGT ACC GCG GCC TCC CTG GCC ATC ACT GGG CTC CAG ACT GAG GAT
 270 279 288 297 306

E A D Y Y C Q S Y D S S L N A
 GAG GCT GAT TAT TAC TGC CAG TCC TAT GAC AGC AGC CTG AAT GCT
 315 324 333 342 351

Q V F G G G T R L T V L G Q P
 CAG GTA TTC GGAGGA GGG ACC CGG CTG ACC GTC CTA GGT CAG CCC
 360 369 378 387 396

K A A P S V T L F P P S S E E
 AAG GCT GCC CCC TCG GTC ACT CTG TTC CCG CCC TCC TCT GAG GAG
 405 414 423 432 441

L Q A N K A T L V C L I S D F
 CTT CAA GCC AAC AAG GCC ACA CTG GTG TGT CTC ATA AGT GAC TTC
 450 459 468 477 486

FIG. 10A - 1

APPROVED	C.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Y P G A V T V A W K A D S S P
 TAC CCG GGA GCC GTG ACA GTG GCC TGG AAG GCA GAT AGC AGC CCC
 495 504 513 522 531

V K A G V E T T T P S K Q S N
 GTC AAG GCG GGA GTG GAG ACC ACC ACA CCC TCC AAA CAA AGC AAC
 540 549 558 567 576

N K Y A A S S Y L S L T P E Q
 AAC AAG TAC GCG GCC AGC AGC TAC CTG AGC CTG ACG CCT GAG CAG
 585 594 603 612 621

W K S H R S Y S C Q V T H E G
 TGG AAG TCC CAC AGA AGC TAC AGC TGC CAG GTC ACG CAT GAA GGG
 630 639 648 657 666

S T V E K T V A P T E C S
 AGC ACC GTG GAG AAG ACA GTG GCC CCT ACA GAA TGT TCA TGA
 675 684 693 702 711

FIG. 10A - 2

102110-1

APPROVED	C. G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

LENGTH OF 16C10 HEAVY/PRIMATIZED: 1431 bp; LISTED FROM: 1 TO: 1431;
 TRANSLATED FROM: 1 TO: 1429 (ENTIRE REGION);
 GENETIC CODE USED: UNIVERSAL; FRI, MAY 26, 1995 11:08 AM

FRAME 1 M K H L W F F L L L V A A
 ATG AAA CAC CTG TGG TTC TTC CTC CTC CTG GTG GCA GCT
 9 18 27 36

P R W V L S Q V Q L Q E S G P
 CCC AGA TGG GTC CTG TCC CAG GTG CAG CTG CAG GAG TCG GGCCCA
 45 54 63 72 81

G L V K P S E T L S L T C A V
 GGACTG GTG AAG CCT TCG GAG ACC CTG TCC CTC ACC TGC GCT GTC
 90 99 108 117 126

S G G S I S G G Y G W G W I R
 TCT GGT GGCTCC ATC AGC GGT GGT TAT GGCTGG GGCTGG ATC CGC
 135 144 153 162 171

Q P P G K G L E W I G S F Y S
 CAG CCC CCA GGGAAG GGGCTG GAG TGG ATT GGGAGT TTC TAT AGT
 180 189 198 207 216

S S G N T Y Y N P S L K S Q V
 AGT AGT GGGAAC ACC TAC TAC AAC CCC TCC CTC AAG AGT CAA GTC
 225 234 243 252 261

T I S T D T S K N Q F S L K L
 ACC ATT TCA ACA GAC ACG TCC AAG AAC CAG TTC TCC CTG AAG CTG
 270 279 288 297 306

N S M T A A D T A V Y Y C V R
 AAC TCT ATG ACC GCC GCG GAC ACG GCC GTG TAT TAC TGT GTG AGA
 315 324 333 342 351

D R L F S V V G M V Y N N W F
 GAT CGT CTT TTT TCA GTT GTT GGAATG GTT TAC AAC AAC TGG TTC
 360 369 378 387 396

D V W G P G V L V T V S S A S
 GAT GTC TGG GGC CCG GGA GTC CTG GTC ACC GTC TCC TCA GCT AGC
 405 414 423 432 441

T K G P S V F P L A P S S K S
 ACC AAG GGCCCA TCG GTC TTC CCC CTG GCA CCC TCC TCC AAG AGC
 450 459 468 477 486

FIG. 10B - 1

APPROVED	C. E. F. G.
BY	CLASS SUBCLASS
DRAFTSMAN	

T S G G T A A L G C L V K D Y
 ACC TCT GGGGGCACA GCGGCC CTG GGCTGC CTG GTC AAG GAC TAC
 495 504 513 522 531

F P E P V T V S W N S G A L T
 TTC CCC GAA CCG GTG ACG GTG TCG TGG AAC TCA GGC GCC CTG ACC
 540 549 558 567 576

S G V H T F P A V L Q S S G L
 AGC GGC GTG CAC ACC TTC CCG GCT GTC CTA GAC TCC TCA GGACTC
 585 594 603 612 621

Y S L S S V V T V P S S S L G
 TAC TCC CTC AGC AGC GTG GTG ACC GTG CCC TCC AGC AGC TTG GGC
 630 639 648 657 666

T Q T Y I C N V N H K P S N T
 ACC CAG ACC TAC ATC TGC AAC GTG AAT CAC ACA TGC CCA AAC ACC
 675 684 693 702 711

K V D K K A E P K S C D K T H
 AAG GTG GAC AAG AAA GCA GAG CCC AAA TCT TGT GAC AAA ACT CAC
 720 729 738 747 756

T C P P C P A P E L L G G P S
 ACA TGC CCA CCG TGC CCA GCA CCT GAA CTC CTG GGGGGACCG TCA
 765 774 783 792 801

V F L F P P K P K D T L M I S
 GTC TTC CTC TTC CCC CCA AAA CCC AAG GAC ACC CTC ATG ATC TCC
 810 819 828 837 846

R T P E V T C V V V D V S H E
 CGGACC CCT GAG GTC ACA TGC GTG GTG GTG GAC GTG AGC CAC GAA
 855 864 873 882 891

D P E V K F N W Y V D G V E V
 GAC CCT GAG GTC AAG TTC AAC TGG TAC GTG GAC GGC GTG GAG GTG
 900 909 918 927 936

H N A K T K P R E E Q Y N S T
 CAT AAT GCCAAG ACA AAG CCG CGGGAG GAG CAG TAC AAC AGC ACG
 945 954 963 972 981

Y R V V S V L T V L H Q D W L
 TAC CGT GTG GTC AGC GTC CTC ACC GTC CTG CAC CAG GAC TGG CTG
 990 999 1008 1017 1026

FIG. 10B - 2

N G K E Y K C K V S N K A L P
 AAT GGCAAG GAGTAC AAG TGC AAG GTC TCC AAC AAA GCC CTC CCA
 1035 1044 1053 1062 1071

A P I E K T I S K A K G Q P R
 GCC CCC ATC GAG AAA ACC ATC TCC AAA GCC AAA GCC AAA CCC CGA
 1080 1089 1098 1107 1116

E P Q V Y T L P P S R D E L T
 GAA CCA CAG GTG TAC ACC CTG CCC CCA TCC CGG GAT GAG CTG ACC
 1125 1134 1143 1152 1161

K N Q V S L T C L V K G F Y P
 AAG AAC CAG GTC AGC CTG ACC TGC CTG GTC AAA GGCTTC TAT CCC
 1170 1179 1188 1197 1206

S D I A V E W E S N G Q P E N
 AGC GAC ATC GCC GTG GAG TGG GAG AGC AAT GGG CAG CCG GAG AAC
 1215 1224 1233 1242 1251

N Y K T T P P V L D S D G S F
 AAC TAC AAG ACC ACG CCT CCC GTG CTG GAC TCC GAC TCC TCC TTC
 1260 1269 1278 1287 1296

F L Y S K L T V D K S R W Q Q
 TTC CTC TAC AGC AAG CTC ACC GTG GAC AAG AGC AGG TGG CAG CAG
 1305 1314 1323 1332 1341

G N V F S C S V M H E A L H N
 GGGAAC GTC TTC TCA TGC TCC GTG ATG CAT GAG GCT CTG CAC AAC
 1350 1359 1368 1377 1386

H Y T Q K S L S L S P G K
 CAC TAC ACG CAG AAG AGC CTC TCC CTG TCT CCG GGT AAA TGA
 1395 1404 1413 1422 1431

FIG. 10B - 3